



PA (OKLA-) OKLAHOMA MEDICAL RES FOUND.  
XX  
PI Conaway JA, Conaway RC, Kamura T;  
XX  
XX WPI: 2000-572067/53.  
DR P-PSDB: AAB08813.  
XX  
PT Cullin interacting RING-H2 finger protein, a component of von  
PT Hippel-Lindau tumour suppressor complex and Skp1-Cdc33p-E-box protein  
PT (SCF) ubiquitin ligase, useful for diagnosing and treating Ring box  
PT protein associated carcinomas -  
XX  
PS Claim 3; Page 35; 37pp; English.  
XX  
XX The present sequence encodes a human cullin-interacting RING-H2 finger  
CC protein (Ring box protein), designated Rbx1. The polypeptide is a tumour  
CC suppressor. Rbx1 is useful for diagnosing a predisposition of a patient  
CC to certain carcinomas. It is also useful for treating Ring box protein  
CC associated carcinomas or augmenting metabolically deficient system in  
CC animals. Rbx1 is also useful for evaluating the effectiveness of a  
CC therapeutic treatment for Ring box associated carcinomas. Rbx1 can be  
CC used to screen for agents which augment or inhibit the activity of  
CC other cullin-containing ubiquitin ligase and of the VHL (von Hippel-  
CC Lindau) complex controlling the conjugation of ubiquitin or ubiquitin-  
CC like proteins to various sets of target proteins. Carcinomas which may  
CC be treated include renal carcinomas, cerebellar hemangioblastomas and  
CC hemangiomas, retinal angiomata and pheochromocytomas.  
XX  
SO Sequence 508 BP; 126 A; 106 C; 124 G; 152 T; 0 other;

Query Match 100.0%; Score 508; DB 21; Length 508;  
Best Local Similarity 100.0%; Pred. No. 5,4e-136;  
Matches 508; Conservative 0; Mismatches .0; Indels 0; Gaps 0;

QY 1 CCCAAATATGGGCGGAGCATGTGATACCCGAGCGGAGCAACAGCGCGCGGC 60  
DB 1 CCCAAATATGGGCGGAGCATGTGATACCCGAGCGGAGCAACAGCGCGGC 60  
QY 61 AAGAAGCCTTTGAAGTGAAGTGAATGAGTACGCTCTGGGCTGGGATATTG 120  
DB 61 AAGAAGCCTTTGAAGTGAAGTGAATGAGTACGCTCTGGGCTGGGATATTG 120  
QY 121 GTTGATCTGTGGCATGTGAGAGAACACATATGATCTTTGATGATGATGACT 180  
DB 121 GTTGATCTGTGGCATGTGAGAGAACACATATGATCTTTGATGATGATGACT 180  
QY 181 AACGAGCGGCTCGCTACTTTCAGAAAGTGTACTGTGCATGGGAGTGTAAACCATGCT 240  
DB 181 AACGAGCGGCTCGCTACTTTCAGAAAGTGTACTGTGCATGGGAGTGTAAACCATGCT 240  
QY 241 TTTCACTTCCACTGCATCTCTGCGTCAAAACACAGAGTGTCTCATTTGGACAC 300  
DB 241 TTTCACTTCCACTGCATCTCTGCGTCAAAACACAGAGTGTCTCATTTGGACAC 300  
QY 301 AGAGAGTGGGAATCCAAAGATGAGGACATAGGAAAGACTCTTCATCAAGCTTAAT 360  
DB 301 AGAGAGTGGGAATCCAAAGATGAGGACATAGGAAAGACTCTTCATCAAGCTTAAT 360  
QY 361 TGTGTTGTTATTCATTATTAATGACCTTCCGCTGTACCTAATATACAAATTTGATGAA 420  
DB 361 TGTGTTGTTATTCATTATTAATGACCTTCCGCTGTACCTAATATACAAATTTGATGAA 420  
QY 421 CTGTGTTTTTTTCTGCTTTGTTTTCAGTTTCTGTTTCTGATGCCATTAATTTCTG 480  
DB 421 CTGTGTTTTTTTCTGCTTTGTTTTCAGTTTCTGTTTCTGATGCCATTAATTTCTG 480  
QY 481 TGTCAATATTAAGTCCAGTTGATTTCTG 508  
DB 481 TGTCAATATTAAGTCCAGTTGATTTCTG 508

RESULT 2  
ABV25615/c

ID ABV25615 standard; cDNA: 4476 BP.  
XX  
AC ABV25615;  
XX  
XX 16-SEP-2002 (first entry)  
DT  
XX  
DE Human prostate expression marker CDNA 25606.  
XX  
XX Human; prostate cancer; cytostatic; carcinogen; pharmacodynamic marker;  
KW pharmacogenomic marker; gene; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200160860-A2;  
XX  
XX 23-AUG-2001.  
XX  
XX 20-FEB-2001; 2001WO-US05171.  
XX  
XX 17-FEB-2000; 2000US-183319P.  
XX  
XX 16-MAR-2000; 2000US-189862P.  
XX  
XX 25-MAY-2000; 2000US-207454P.  
XX  
XX 09-JUN-2000; 2000US-211314P.  
XX  
XX 18-JUL-2000; 2000US-219007P.  
XX  
XX 13-DEC-2000; 2000US-255281P.  
XX  
XX (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.  
XX  
XX Schlegel R, Endege WO, Monahan JE;  
XX  
XX WPI: 2001-662795/76.  
XX  
XX Novel isolated nucleic acid molecule associated with cancerous state of  
XX prostate cells and correlating with presence of prostate cancer, useful  
XX for detecting presence of prostate cancer, stage of prostate cancer -  
XX  
XX Claim 1; Page 5119-5120; 11750pp; English.  
XX  
XX The invention relates to an isolated nucleic acid molecule (I) comprising  
XX a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the  
XX specification or its complement. (I) is useful for:  
XX (a) assessing whether a patient is afflicted with prostate cancer;  
XX (b) monitoring the progression of prostate cancer in a patient;  
XX (c) assessing the efficacy of a test compound to inhibit prostate  
XX cancer in a patient;  
XX (d) assessing the efficacy of a therapy for inhibiting prostate cancer  
XX in a patient;  
XX (e) selecting a composition for inhibiting prostate cancer in a patient;  
XX (f) assessing the prostate cell carcinogenic potential of a compound;  
XX (g) determining whether prostate cancer has metastasized in a patient;  
XX (h) assessing the aggressiveness or indolence of prostate cancer in a  
XX patient;  
XX (I) is also useful as a pharmacodynamic or pharmacogenomic marker.  
XX  
SO Sequence 4476 BP; 1085 A; 1129 C; 1015 G; 1247 T; 0 other;

Query Match 89.1%; Score 452.8; DB 23; Length 4476;  
Best Local Similarity 95.2%; Pred. No. 9.9e-120;  
Matches 497; Conservative 0; Mismatches 2; Indels 23; Gaps 2;

QY 9 GGGCGACGAGTGGATGTGGATACCCGAGCGGACCAACAGCGGCGGCAAGAACG 68  
DB 1018 GCGCCGACGAGTGGATGTGGATACCCGAGCGGACCAACAGCGGCGGCAAGAACG 959  
QY 69 CTTTGAATGAAAAAGTGAATGAGTACGCTCTGGGCTGGGATATTGTTGATTA 128  
DB 958 CTTTGAATGAAAAAGTGAATGAGTACGCTCTGGGCTGGGATATTGTTGATTA 899  
QY 129 CTGTGCAATCTGACAGAACCAATTAATGATCTTTGATAGATGTCAAGCTAACGAGC 188  
DB 898 CTGTGCAATCTGACAGAACCAATTAATGATCTTTGATAGATGTCAAGCTAACGAGC 839  
QY 189 GTCCGCTACTTCAGAAAGTGTACTGTGCGCATGGGAGTCTGTAAACCATGCTTTCACT 248





QY 404 TTACAATTTGATGAGAACTGTGTTTCTGCTTTGTTTTCAGTTTCGTTTCTGT 463  
|||||  
DB 1369 TTACAATTTGATGAGAACTGTGTTTCTGCTTTGTTTTCAGTTTCGTTTCTGT 1428  
|||||  
QY 464 AGCCATTTGTATTTCTGTGTCAATAAAGTCCAGTTGATTCGG 508  
|||||  
DB 1429 AGCCATTTGTATTTCTGTGTCAATAAAGTCCAGTTGATTCGG 1473  
|||||  
RESULT 6  
ID AAA96882 standard; DNA; 327 BP.  
XX  
AC AAA96882;  
XX  
DT 19-FEB-2001 (first entry)  
XX  
DE Nucleotide sequence of human ring finger protein ROC1.  
XX  
XX ROC1; ROC2; cullin; ring finger protein; APC11; APC complex; SCF pathway;  
KM cullin dependent ubiquitin ligase; CDK inhibitor; Scl degradation;  
KM tumour; ss.  
OS Homo sapiens.  
XX  
FH Key Location/Qualifiers  
FT CDS 1..327  
FT /tag= a  
FT /product= "ROC1"  
FT  
PN WO200058472-A2.  
XX  
PD 05-OCT-2000.  
XX  
PF 31-MAR-2000; 2000WO-US08592.  
XX  
PR 31-MAR-1999; 99US-0127261.  
PR 22-NOV-1999; 99US-0166927.  
XX  
XX (UYNC-) UNIV NORTH CAROLINA.  
XX  
PI Xiong Y, Ohta T;  
PI  
DR MPI: 2000-647235/62.  
DR P-PSDB: AAB19160.  
XX  
XX Novel nucleic acid encoding cullin regulating ring finger proteins,  
PT termed as ROC proteins similar to anaphase-promoting complex 11, for  
PT therapeutic and diagnostic use  
XX  
PS Claim 1; Fig 2A; 83pp: English.  
XX  
XX The present sequence encodes a human ROC1 ring finger protein. The  
CC specification also describes human ROC2. ROC1 and ROC2 are similar  
CC to APC11, a subunit of the APC complex. The proteins stimulate cullin  
CC dependent ubiquitin ligase activity. ROC1 functions in vivo as an  
CC essential regulator of CDK inhibitor Scl degradation by the SCF  
CC (undefined) pathway. ROC proteins are useful for screening bioactive  
CC agents that interfere with the binding of ROC proteins with cullin  
CC proteins. Pharmaceutical formulations comprising ROC proteins are  
CC useful for diagnostic and therapeutic purposes, preferably for  
CC diagnosing and treating tumours.  
XX  
SQ Sequence 327 BP; 85 A; 75 C; 94 G; 73 T; 0 other;  
Query Match 64.4%; Score 327; DB 21; Length 327;  
Best Local Similarity 100.0%; Pred. No. 4.8e-84;  
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 7 ATGGCGGACGATGATGTGATATCCCGAGGCGACACAGCGCGGCGGCAAG 66  
|||||  
DB 1 ATGGCGGACGATGATGTGATATCCCGAGGCGGCGACACAGCGCGGCGGCAAG 60  
|||||

QY 67 CGCTTTGAAGTGAAGAAAGTGAATGAGTACGCCCTGTGGGCTGGGATATTTGTGAT 126  
|||||  
DB 61 CGCTTTGAAGTGAAGAAAGTGAATGAGTACGCCCTGTGGGCTGGGATATTTGTGAT 120  
|||||  
QY 127 AACTGTGCCATCTGACAGAACCAATTAATGATTTTCATAGAAATGCAAGTACAC 186  
|||||  
DB 121 AACTGTGCCATCTGACAGAACCAATTAATGATTTTCATAGAAATGCAAGTACAC 180  
|||||  
QY 187 GCGTCCGCTACTTCAGAAAGTGTACTGTGATGGGAGTGTGTAACCATGCTTTTAC 246  
|||||  
DB 181 GCGTCCGCTACTTCAGAAAGTGTACTGTGATGGGAGTGTGTAACCATGCTTTTAC 240  
|||||  
QY 247 TTCCTGCTGATCTGCTGCTGCTCAAAACAGACAGAGTGTGTCATTGGACAACAGAG 306  
|||||  
DB 241 TTCCTGCTGATCTGCTGCTGCTCAAAACAGACAGAGTGTGTCATTGGACAACAGAG 300  
|||||  
QY 307 TGGGAATTCCAAAAGTATGGGCACTAG 333  
|||||  
DB 301 TGGGAATTCCAAAAGTATGGGCACTAG 327  
|||||  
RESULT 7  
ID AAA74980 standard; DNA; 504 BP.  
XX  
AC AAA74980;  
XX  
DT 02-JAN-2001 (first entry)  
XX  
DE DNA encoding a murine cullin-interacting RING-H2 finger protein (Rbx1).  
XX  
XX Cullin-interacting RING-H2 finger protein; Ring box protein; Rbx1;  
KM tumour suppressor; carcinoma; Ring box associated carcinoma;  
KM von Hippel-Lindau complex; ubiquitin conjugation; renal carcinoma;  
KM cerebellar hemangioblastoma; hemangioma; retinal angiomata;  
KM pheochromocytomas; ss.  
OS Mus sp.  
XX  
XX WO200050445-A1.  
XX  
PN 31-AUG-2000.  
XX  
PD 25-FEB-2000; 2000WO-US04838.  
XX  
PF 26-FEB-1999; 99US-0121787.  
XX  
PR (OKLA-) OKLAHOMA MEDICAL RES FOUND.  
XX  
PA Conway JA, Conway RC, Kamura T;  
XX  
PI Conway JA, Conway RC, Kamura T;  
PI  
DR MPI: 2000-572067/53.  
XX  
XX Cullin interacting RING-H2 finger protein, a component of von  
PT Hippel-Lindau tumour suppressor complex and Skp1-Cdc53p-F-box protein  
PT (SCF) ubiquitin ligase, useful for diagnosing and treating Ring box  
PT protein associated carcinomas -  
XX  
XX Disclosure; Page 35; 37pp: English.  
XX  
XX The present sequence encodes a murine cullin-interacting RING-H2 finger  
CC protein (Ring box protein), designated Rbx1. The human Rbx1 polypeptide  
CC is a tumour suppressor. Human Rbx1 is useful for diagnosing a  
CC predisposition of a patient to certain carcinomas or augmenting  
CC for treating Ring box protein associated carcinomas or augmenting  
CC metabolically deficient system in animals. Human Rbx1 is also useful for  
CC evaluating the effectiveness of a therapeutic treatment for Ring box  
CC associated carcinomas. Human Rbx1 can be used to screen for agents which  
CC augment or inhibit the activity of other cullin-containing ubiquitin  
CC ligase and of the VHL (von Hippel-Lindau) complex controlling the  
CC conjugation of ubiquitin or ubiquitin-like proteins to various sets of  
CC target proteins. Carcinomas which may be treated include renal









PR 05-JUN-2000; 2000US-209531P.  
PR 18-SEP-2000; 2000US-233133P.  
PR 18-SEP-2000; 2000US-233617P.  
PR 20-SEP-2000; 2000US-234009P.  
PR 20-SEP-2000; 2000US-234034P.  
PR 20-SEP-2000; 2000US-234052P.  
PR 22-SEP-2000; 2000US-234509P.  
PR 22-SEP-2000; 2000US-234567P.  
PR 25-SEP-2000; 2000US-234933P.

PR 25-SEP-2000; 2000US-235077P.  
 PR 25-SEP-2000; 2000US-235082P.  
 PR 25-SEP-2000; 2000US-235134P.  
 PR 25-SEP-2000; 2000US-235280P.  
 PR 26-SEP-2000; 2000US-235637P.  
 PR 26-SEP-2000; 2000US-235638P.  
 PR 27-SEP-2000; 2000US-235711P.  
 PR 27-SEP-2000; 2000US-235720P.  
 PR 27-SEP-2000; 2000US-235840P.  
 PR 27-SEP-2000; 2000US-235863P.  
 PR 28-SEP-2000; 2000US-236028P.  
 PR 28-SEP-2000; 2000US-236032P.  
 PR 28-SEP-2000; 2000US-236034P.  
 PR 28-SEP-2000; 2000US-236109P.  
 PR 28-SEP-2000; 2000US-236111P.  
 PR 29-SEP-2000; 2000US-236842P.  
 PR 29-SEP-2000; 2000US-236891P.  
 PR 02-OCT-2000; 2000US-237172P.  
 PR 02-OCT-2000; 2000US-237173P.  
 PR 02-OCT-2000; 2000US-237278P.  
 PR 02-OCT-2000; 2000US-237294P.  
 PR 02-OCT-2000; 2000US-237295P.  
 PR 02-OCT-2000; 2000US-237316P.  
 PR 03-OCT-2000; 2000US-237425P.  
 PR 03-OCT-2000; 2000US-237598P.  
 PR 03-OCT-2000; 2000US-237604P.  
 PR 03-OCT-2000; 2000US-237606P.  
 PR 03-OCT-2000; 2000US-237608P.  
 PR 01-NOV-2000; 2000US-244867P.  
 PR 01-NOV-2000; 2000US-245084P.  
 (AVAL-) AVALON PHARM.  
 PI Young PE, Augustus M, Carter KC, Ebner R, Endress G, Horrigan S;  
 PI Soppet DR, Weaver Z;  
 XX WPI: 2002-188264/24.  
 XX  
 PT Screening for anti-neoplastic agent involves exposing cells to a  
 PT chemical agent to be tested for anti-neoplastic activity, and  
 PT determining a change in expression of a gene of a signature gene set -  
 XX  
 PS Claim 1; SEQ ID 2679; 44pp; English.  
 XX  
 CC The present invention describes a method (M1) for screening for an  
 CC anti-neoplastic agent. The method involves exposing cells to a chemical  
 CC agent to be tested for anti-neoplastic activity, determining a change in  
 CC expression of at least one gene (I) of a signature gene set, where (I)  
 CC comprises a sequence (S) selected from 8447 sequences (given in ABL61664  
 CC to ABL70110), or is at least 95% identical to (S), where a change in  
 CC expression is indicative of anti-neoplastic activity. (I) has cytostatic  
 CC activity and can be used in gene therapy. M1 can be used for screening  
 CC an anti-neoplastic agent, and can be used for producing a product which  
 CC is the data collected with respect to the anti-neoplastic agent as a  
 CC result of M1, and the data is sufficient to convey the chemical  
 CC structure and/or properties of the agent. M1 can be used in the  
 CC treatment of cancer such as colon, breast, stomach, lung, thyroid,  
 CC osophagial, ovarian, kidney, prostate or pancreatic cancer,  
 CC adenocarcinoma, carcinoma, clear cell cancer, infiltrating ductal cancer,  
 CC infiltrating lobular cancer, squamous cell carcinoma, neuroendocrine  
 CC carcinoma, papillary carcinoma and Wilm's tumour.  
 XX  
 XX  
 SQ Sequence 418 BP; 129 A; 82 C; 89 G; 118 T; 0 other;  
 Query Match 53.7%; Score 272.8; DB 24; Length 418;  
 Best Local Similarity 86.0%; Pred. No. 2e-68;  
 Matches 349; Conservative 0; Mismatches 52; Indels 5; Gaps 4;  
 QY 101 TCTGGCCCTGGGATGTTGCTGATACCTGTCATCTGCAGACACCATTTATGATC 160  
 Db 417 TCTGGGCTGGGATGTTGCTGATACCTGTCATCTGCAGACACCATTTATGATC 358

QY 161 TTTCATAGATGTCACCTAACACAGGCGCTCCGCTACTTTCAGAAAGTGTACTGCGAT 220  
 Db 357 --TGCATTGAATGTCACCTAACACAGGCGCTCCGCTACTTTCAGAAAGTGTACTGCGAC 300  
 QY 221 GGGGAGTCTGTAAACCATCTTTTCACCTTCACCTGATCTCGCGGTCAAAACACAGAC 280  
 Db 299 GGGGAGCTGTAAACCATCTTTTCACCTTCACCTGATCTCGCGGTCAAAACACAGAC 241  
 QY 281 AGGTGTGTCATTGGACACACAGAGAGTGGGAATTCACAAAGTATGGGACATGAGAAAGA 340  
 Db 240 AGCTGTGCTGTGGACACACAGACAAATGAGAAATTCACAAAGTATGGGACACGAAAGA 181  
 QY 341 CTCTTCATCAAGCTTAATGTTTGTGTTATTCATTATGACTTTCCTGCTTACC 400  
 Db 180 ATCTTCATCAAGCTTAATGTTTGTGTTATTCATTATGACTTTCCTGCTTACC 122  
 QY 401 TAATTAACAATTTGATGACACACAGAGTGGGAATTCACAAAGTATGGGACATGAGAAAGA 460  
 Db 121 TAATTAACAATTTGATGACACACAGAGTGGGAATTCACAAAGTATGGGACATGAGAAAGA 63  
 QY 461 TGTACCATATTTGATTTCTGTGTCAAATTAAGTCCAGTTGATTTCT 506  
 Db 62 CGACAGCCACATTTGATTTCTGTGTCAAATTAAGTCCAGTTGATTTCT 17  
 RESULT 15  
 AAS68840/c  
 ID AAS68840 standard; cDNA; 416 BP.  
 XX  
 AC AAS68840;  
 XX  
 DT 13-FEB-2002 (first entry)  
 XX  
 DE DNA encoding novel human diagnostic protein #22644.  
 XX  
 KW Human: chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN W0200175067-A2.  
 XX  
 PD 11-OCT-2001.  
 XX  
 XX 30-MAR-2001; 2001WO-US08631.  
 XX  
 XX 31-MAR-2000; 2000US-0540217.  
 XX  
 XX 23-AUG-2000; 2000US-0649167.  
 XX  
 XX (HYSE-) HYSEQ INC.  
 XX  
 XX Drmanac RT, Liu C, Tang YT;  
 XX  
 XX WPI: 2001-639362/73.  
 XX  
 XX P-PSDB: ABG22653.  
 XX  
 XX  
 PT New isolated polynucleotide and encoded polypeptides, useful in  
 PT diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity -  
 XX  
 PS Claim 1; SEQ ID No 22644; 103pp; English.  
 XX  
 XX The invention relates to isolated polynucleotide (I) and  
 XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 XX and gene mapping, and in recombinant production of (II). The  
 XX polynucleotides are also used in diagnostics as expressed sequence tags  
 XX for identifying expressed genes. (II) is useful in gene therapy techniques  
 XX to restore normal activity of (II) or to treat disease states involving  
 XX (II). (II) is useful for generating antibodies against it, detecting or  
 XX quantitating a polypeptide in tissue, as molecular weight markers and as  
 XX a food supplement. (II) and its binding partners are useful in medical

CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. AAS64197-AAS94564 represent novel human  
CC diagnostic coding sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pcl\_sequences.

XX Sequence 416 BP; 136 A; 83 C; 75 G; 97 T; 25 other;

Query Match 53.3%; Score 271; DB 23; Length 416;  
Best Local Similarity 83.4%; Pred. No. 6.6e-68;

Matches 363; Conservative 0; Mismatches 0; Indels 72; Gaps 2;

OY 74 AAGTGAAGAGTGAATGAGTACGAGTCCCTGAGGCTGGGATATGTTGATTAACGTG 133  
DB 416 AAGTGAAGAGTGAATGAGTACGAGTCCCTGAGGCTGGGATATGTTGATTAACGTG 357  
OY 134 CCATCTGCAGGACCACTTATGATCTTTGCATAGAAATGCAAGCTAACAGGCGTCCG 193  
DB 356 CCATCTGCAGGACCACTTATGATCTTT----- 327  
OY 194 CTACTCAGAGAGTGTACTGTGCGATGGGAGTCTGTACCATGCTTTTCACTTCCACT 253  
DB 326 -----CATGCTTTTCACTTCCACT 308  
OY 254 GCATCTCGCTGCTCAAAAACGACAGAGTGTGCATTGGAGACAAGAGAGTGGGANT 313  
DB 307 GCATCTCGCTGCTCAAAAACGACAGAGTGTGCATTGGAGACAAGAGAGTGGGANT 248  
OY 314 TCCTAAGATGAGGACAGTACGAAAGACTTCTTCATCAAGCTAATGTTGTTATTC 373  
DB 247 TCCTAAGATGAGGACAGTACGAAAGACTTCTTCATCAAGCTAATGTTGTTATTC 188  
OY 374 ATTATATGACTTCCCTGCTGTACCTATTAACAATGATGAGAGCTGTTTTTTC 433  
DB 187 ATTATTA-TGACTTCCCTGCTGTACCTATTAACAATGATGAGAGCTGTTTTTTC 129  
OY 434 TGCTTTGTTTTTTCAGTTGCTGTTCGTAGCCATATGTTCTGTCAATAAAGT 493  
DB 128 TGCTTTGTTTTTTCAGTTGCTGTTCGTAGCCATATGTTCTGTCAATAAAGT 69  
OY 494 CCAGTTGATTCCTG 508  
DB 68 CCAGTTGATTCCTG 54

Search completed: May 10, 2003, 21:56:21  
Job time : 261 secs

